



CALIFORNIA HYDROGEN HIGHWAY NETWORK



SENATE BILL No. 76

Funding

On July 21, 2005, Governor Arnold Schwarzenegger signed Senate Bill 76 (SB 76) that provided the necessary funding and legislative guidelines to implement recommendations of the California Hydrogen Highway Network (CA H2 Net) Blueprint Plan. SB 76 provides \$6.5 million in funding for state-sponsored hydrogen demonstration projects until January 1, 2007. Specifically, the funds will:

- ***Establish up to 3 hydrogen fueling station demonstration projects*** - The stations must meet or exceed certain environmental goals, must be open and accessible to the public and be conveniently located to enhance the CA H2 Net.
- ***Assist State lease and purchase of hydrogen vehicles*** – The State may lease up to 12 hydrogen vehicles and purchase up to 2 hydrogen internal combustion engine shuttle buses.

Energy and Environmental Goals

SB 76 further requires funded projects to contribute to energy and environmental goals by 2010 as follows:

- ***Greenhouse gas emission reductions*** – Projects must achieve a 30% reduction in greenhouse gas emissions relative to current-year vehicles.
- ***New renewable resources*** – 20% new renewable energy resources must be used in hydrogen production for each station, contributing to the achievement of the 2010 energy and environmental goal of 33% new renewable resources.
- ***No increase in toxic or criteria pollutant emissions*** – The projects must not increase toxic or smog forming emissions compared to fossil fuel vehicle use.

Fuel Specifications

The bill also addresses specifications for hydrogen fuel, by requiring:

- ***Development of specifications for use of hydrogen fuel*** – The Department of Food and Agriculture (DFA), with the concurrence of the State Air Resources Board (ARB), will establish specifications for hydrogen fuels for use in internal combustion and fuel cell vehicles until standards are formally adopted by an accredited standards development organization.



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Public Notice and Reporting

The bill also contains public notice and reporting requirements, including:

- ***Pubic Hearings*** – Projects and vehicles must be selected through a public hearing process, including:
 - A California Environmental Protection Agency Environmental Justice Advisory Committee meeting to solicit input on appropriate siting criteria, hydrogen station locations and production facilities in order to address environmental justice concerns.
 - Workshops in Northern, Central and Southern California to receive public input on hydrogen production and fueling bid criteria, and siting and location criteria.
 - 30-day public notice prior to the ARB's adoption of project siting criteria or locations.
- ***Legislative Updates*** – A status report on implementation of the CA H2 Net is required every six months, as well as a report on December 31, 2006 on the status of other state activities, the impact of the hydrogen infrastructure on affected communities and the development of hydrogen related business activity in California. This report may also include recommendations regarding the continued deployment of hydrogen fueling stations in the state.

For More Information

Please visit the California Hydrogen Highway Network web site located at <http://www.HydrogenHighway.ca.gov>. You can also contact the California Air Resources Board toll-free at (800) END-SMOG (California only) or (800) 242-4450 (outside California).